

DIVISION 6 - WOOD AND PLASTICS

SECTION 06100 ROUGH CARPENTRY

A. GENERAL

QUALITY ASSURANCE

Comply with PS 20 and with applicable rules of the respective grading and inspecting agencies for species and products indicated.

Comply with PS 1-74 (ANSI 199.1) or, for products not manufactured under PS 1-74 provisions, with applicable APA Performance Standard for type of panel indicated. Identify each plywood panel with the appropriate APA Trademark.

All stress grades and stress criteria shall be based on the National Design Specifications for Wood Construction, latest edition.

STORAGE

Store lumber and rough carpentry materials on bunks or skids at least 6 inches above the ground, and protect materials from weather with waterproof covers.

JOB CONDITIONS

Fit carpentry work to other work; scribe and cope as required for accurate fit. Correlate location of furring, nailers, blocking, grounds, and similar supports to allow proper attachment to other work.

B. PRODUCTS

MATERIALS

Lumber shall be S4S, kiln dried, with 19 percent maximum moisture content at time of dressing. Lumber shall be grade stamped in accordance with the latest edition of the standard grading rules of NELMA, SPIB, WCLIB, WWPA or NLGA (or equivalent Canadian governing authority).

1. Miscellaneous framing and blocking: Standard or Better, all species.

MISCELLANEOUS PLYWOOD

Miscellaneous Concealed Plywood: C-C plugged exterior.

Miscellaneous Exposed Plywood: A-D interior.

Electrical/Telephone Backing Panels: C-D Plugged, Exposure 1 plywood, fire-retardant treated, 3/4-inch thick.

MISCELLANEOUS MATERIALS

Fasteners and anchorages shall be of the size, type, material and finish as indicated below or on the Drawings and as recommended by applicable standards complying with applicable Federal Specifications for nails, (staples), screws, bolts, nuts, washers and anchoring devices. Metal hangers and framing anchors shall be of the size and type recommended by the manufacturer for each use including recommending nails. Where rough carpentry work is exposed to the weather, in ground contact, or in areas of high humidity, provide fasteners and anchorages with a hot-dip zinc coating (ASTM A 153).

1. Anchor bolts shall meet the requirements of ASTM A 307. Unless otherwise noted, anchor bolts shall be 1/2-inch in diameter x the lengths sufficient to penetrate the concrete 7 inches with heads or hooks minimum 2 inches as indicated on the Drawings. Other anchor bolts shall be of the sizes and shapes as

- 1 indicated on the Drawings.
- 2 2. Nails shall be as follows:
- 3 Wood Framing and Boards Common nails of size to meet the requirements of
- 4 the International Building Code Nailing Schedule
- 5 (latest edition). All nails utilized with treated wood
- 6 shall be stainless steel.
- 7 Wall Sheathing 6d common
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- 9 3. Miscellaneous Framing Accessories. Metal framing anchors, hangers, stirrups, saddles, strap anchors, tie
- 10 straps, masonry parallel and end joist anchors, bridging and other miscellaneous framing accessories
- 11 shall be of galvanized steel, manufactured by Cleveland Steel Specialty Company, Simpson Company,
- 12 Timber Engineering Company, Hohmann and Barnard, Inc., Heckman Building Products, Inc., or equal.
- 13 4. Miscellaneous Fastenings. Spikes, screws, lag bolts, and other miscellaneous fastenings and rough
- 14 hardware shall be as shown on the Drawings, or as required to assemble and secure rough carpentry
- 15 items. All fasteners associated with exterior work shall be galvanized finished, except that fasteners for
- 16 redwood shall be stainless steel or aluminum.
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18 Adhesives shall conform with Specification AFG-01 of the American Plywood Association.

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20 C. EXECUTION

21 CONCEALED BLOCKING

22 Wood blocking shall be nominal 2" thick and secured to structural members for the anchorage of all surface-

23 mounted items. Blocking shall be provided and installed as recommended by the manufacturer of the product to

24 be mounted on the wall. Blocking shall be installed for, but not limited to, the following items:

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26 Wall-mounted or base-mounted door stops in new walls

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28 MISCELLANEOUS WOOD BLOCKING

29 Erect miscellaneous blocking as shown on the Drawings or as required to secure materials to rough construction.

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31 Anchoring of blocking to steel or concrete shall be by bolted connections. Bolts shall be 1/2" diameter located 12"

32 from each end and at 4' centers maximum, unless otherwise shown on the Drawings or specified herein. Bolts

33 shall be built into concrete. Threaded studs shall be welded to steel members at the time of fabrication.

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35 NAILING

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37 Number and spacing of nails and method of nailing of framing shall meet the requirements of the Nailing Schedule

38 in the International Building Code, latest edition.

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40 INSTALLATION OF PLYWOOD

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42 Plywood installation shall comply with applicable recommendations contained in Form No. E304, "APA

43 Design/Construction Guide - Residential and Commercial," for types of plywood products and applications

44 indicated.

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